AMENDMENTS TO THE CLAIMS

The listing of the claims will replace all prior versions, and listings, of claims in the

application.

LISTING OF THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the

application:

LISTING OF CLAIMS

Claim 1 (currently amended): A method, comprising:

using [[An]] an apparatus for controlling the load on articular cartilage forming part of an

articular joint connecting a first bone to a second bone of a human or animal joint to treat

arthritic conditions affecting the joint, the apparatus comprising:

a first fixation assembly for attachment to the first bone; (a)

a second fixation assembly for attachment to the second bone; and (b)

a link assembly coupled to the first fixation assembly by a first pivot and coupled (c)

to the second fixation assembly by a second pivot and configured to span anatomy affected by

arthritic conditions but lacking fractures, the first and second fixation assembly thereby each

being angularly displaceable relative to the link assembly;

said apparatus provides reduction of pressure on at least a portion of the joint without

substantially resisting an angular displacement associated with relatively full mobility of the first

- 2 -

and second bones of the joint to thereby treat arthritic conditions affecting the joint;

attaching the first fixation assembly to the first bone: and

attaching the second fixation assembly to the second bone.

Serial No.: 10/675,855

Client ID/Matter No.: 83456.0007.US Doc. # CC-185736 v.1 Claim 2 (currently amended): The apparatus method according to claim 1 in which the

first fixation assembly includes at least one pin for engaging with the first bone.

Claim 3 (currently amended): The apparatus method according to claim 2 in which the

first fixation assembly includes a clamp for mounting a plurality of pins each for engaging with

the first bone, said plurality of pins being spaced along the length of the first fixation assembly.

Claim 4 (currently amended): The apparatus method of claim 1 in which the first fixation

assembly includes engagement means for engaging at least one bone pin, the engagement means

being rotatable about a longitudinal axis of the first fixation assembly.

Claim 5 (currently amended): The apparatus method of claim 1 in which the first fixation

assembly includes engagement means for engaging at least one bone pin, the engagement means

being rotatable about a transverse axis of the first fixation assembly.

Claim 6 (currently amended): The apparatus method of claim 2 in which the first fixation

assembly includes engagement means for engaging at least one bone pin, the engagement means

being independently rotatable about a longitudinal axis and a transverse axis of the first fixation

assembly.

Claim 7 (currently amended): The apparatus method according to one of claims 1-6 in

which the first fixation assembly is coupled to the link assembly by way of a first pivot in a

manner selected from the group consisting of those having one and two degrees of rotation

freedom.

Claim 8 (canceled)

Claim 9 (currently amended): The apparatus method according to claim 1 in which the

link assembly includes a fixed separation member for maintaining said first and second pivots at

a fixed distance of separation.

Claims 10-13 (canceled)

Serial No.: 10/675,855 Client ID/Matter No.: 83456.0007.US

Doc. # CC-185736 v.1

- 3 -

Claim 14 (currently amended): The apparatus method according to claim 1 further

including means for limiting the angular displacement of the first fixation assembly relative to

the link assembly and/or means for limiting the angular displacement of the second fixation

assembly relative to the link assembly.

Claim 15 (currently amended): The apparatus method according to claim 1 further

including means for varying separation of the first fixation assembly and the second fixation

assembly as a function of the angular displacement of either fixation assembly relative to the link

assembly.

Claim 16 (currently amended): The apparatus method according to claim 1 further

including a drive member coupled to the first fixation assembly and to the second fixation

assembly for controllably varying the angular displacement of the first and second fixation

assemblies relative to one another.

Claim 17 (canceled)

Claim 18 (currently amended): The apparatus method according to claim 1 further

including a sensor adapted to monitor the load applied across the link assembly.

Claim 19 (currently amended): The apparatus method according to claim 18 in which the

sensor is adapted to monitor any one of the tensile load, compression load, shear forces or

bending forces applied across the link assembly.

Claim 20 (currently amended): The apparatus method according to claim 19 in which the

sensor comprises a strain gauge.

Claim 21 (currently amended): The apparatus method according to any one of claims 1

to 6 comprising a pair of link assemblies each pivotally anchored to both the first and second

fixation assemblies and laterally displaced from one another.

Claims 22-23 (canceled)

Serial No.: 10/675,855 Client ID/Matter No.: 83456.0007.US

Doc. # CC-185736 v.1

- 4 -

Claim 24 (currently amended): The apparatus method according to claim 1 further

including a second corresponding apparatus for coupling thereto by a plurality of bone pins.

Claim 25-34 (canceled)

Se Clini (IDA) ()

- 5 -

Serial No.: 10/675,855 Client ID/Matter No.: 83456.0007.US Doc. # CC-185736 v.1